State of Utah

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Department of Administrative Services
D'ARCY DIXON PIGNANELLI
Executive Director

Division of Facilities Construction and Management
F. KEITH STEPAN
Director

ADDENDUM

Date:	5 October 2005	
To:	Contractors	
From:	Bill Bowen, Program Director, DFCM	
Reference:	Provo Regional Center HVAC & Controls Upgrade DFCM Project No. 05031310	
Subject:	**Addendum No. 1**	
Pages	Addendum	1 page
	Attachment (WHW Addendum)	5 pages
	Drawings	0 pages
	Total	**6 pages**

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1. Reference attached addendum from WHW Engineers, Inc.

ADDENDUM

Project Name: Provo Regional Center HVAC Upgrade Addendum No.: 1

DFCM Project #: 05031310 Date: 10-06-05

From: WHW Engineering Inc
1354 East 3300 South Suite 200
Salt Lake City, Utah 84106
Phone (80) 466-4021 Fax (801) 466-8536

To: All bidders

This Addendum forms and becomes a part of the Contract Documents and modifies the original Bidding Documents dated September 2005 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of 5 pages.

I - CHANGES TO PRIOR ADDENDA: NA

II - CHANGES TO BIDDING REQUIREMENTS:

Item II-1. This is to clarify the base bid and alternate #1 requirements. The base bid calls for work to be done during normal business hours and the alternate #1 requires work in occupied spaces to be done after hours. The following is a summary of what work shall be performed during the base bid, and what work should be done as the alternate.

Base Bid:

- VAV box controls and thermostats shall be replaced during normal business hours.
- VAV box replacements shall be replaced during normal business hours.
- Hot water control valve replacements shall be replaced during normal business hours.

Although this work will be done during normal business hours, the building will remain occupied. This means that the individual components will still have to be scheduled and staged with the owner to minimize the overall impact on the occupants. This will require making these changes 1 or 2 zones at a time.

Alternate #1:

- VAV box controls and thermostats shall be replaced after hours (evenings, early mornings, or weekends).
- VAV box replacements shall be replaced after hours (evenings, early mornings, or weekends).
- Hot water control valve replacements shall be replaced after hours (evenings, early mornings, or weekends).

As an additional clarification, the following work shall be done after hours under either scenario:

- Crane time shall be done on a weekends so the parking lot can be blocked of as required.
- Shutdowns of the entire air handling system shall be done after hours. When one air handler remains in service, then the second air handler can be shut-down during normal business hours.
- Heating system shut-downs shall be done either after hours, or at least in the afternoon after the building has had the chance to warm-up. The weather will

dictate just how early in the afternoon this can take place.

Finally, the additional structural bracing required under the roof, beneath condensing unit CU-2B shall be done during normal business hours.

III - CHANGES TO AGREEMENT & OTHER CONTRACT FORMS: NA

IV – CHANGES/CLARIFICATIONS TO CONDITIONS OF THE CONTRACT: NA

V - CHANGES/CLARIFICATIONS TO SPECIFICATIONS: None

VI - CHANGES/CLARIFICATIONS TO DRAWINGS:

Item VI-1. MD401: Sheet note 2, This contractor shall be responsible for protecting adjacent equipment, walls, etc. during equipment removal. If existing equipment, walls, etc. are damaged during the project, this contractor shall be responsible for repairing the damage. The owner will coordinate with their service providers to re-locate or protect the existing phone and data wiring above the cooling tower as necessary. The operating weight of the existing cooling towers is approximately 10,880 lbs.

Item VI-2. MD401: Remove the existing indirect cooling coils from the air handler to give adequate access for changing the DX coil. Patch and repair unit as necessary upon project completion. See attached 8-1/2 x 11 drawing MD401 Addendum #1.

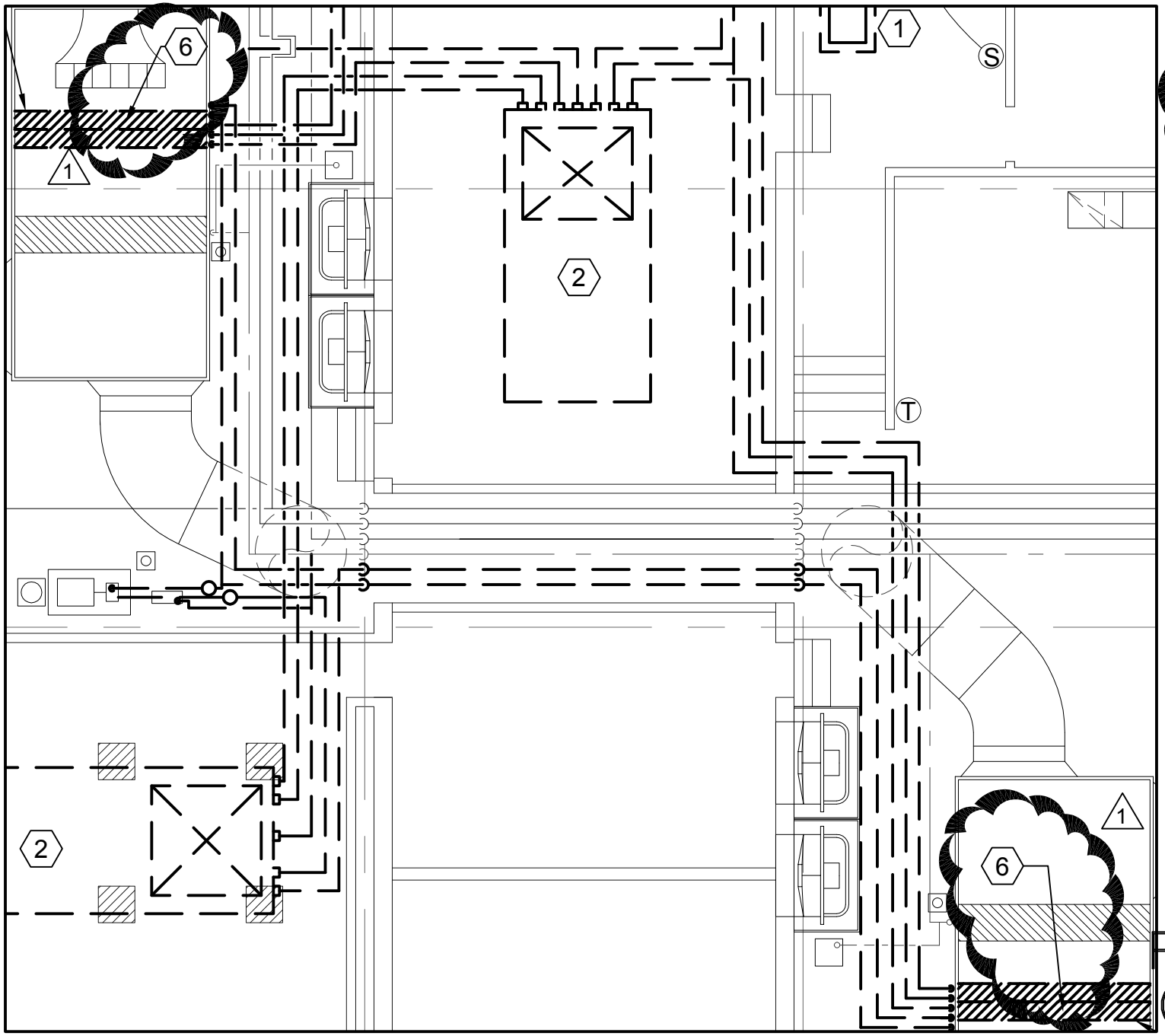
Item VI-3. ME102: Provide a new VAV box and associated ductwork, grilles, hot water piping, etc. for the clinic area. See attached 8-1/2 x 11 drawing ME103 Addendum #1.

Item VI-4. Me105: The two radiant panel control valves shown near gridlines E and 1 should have a sheet note 4, indicating that they will also be replaced.

Item VI-5. ME401: Both air handlers feed into a common duct system. Work in the air handlers, such as coil removal and replacement may take place during occupied hours, provided that the other air handler remains in operation. In order to isolate the air handlers, this contractor shall provide a temporary bulkhead or some other type of air seal, to temporarily obstruct the supply duct connection for the duration of the work in each air handler.

Item VI-6. ME601: Add VAV box 118 for clinic area to VAV box schedule. See attached 8-1/2 x 11 drawing ME601 Addendum #1.

Item VI-7. E104: the existing panel ‘SPHHB’ is located on the opposite wall at the north side of the air handler room.



SHEET NOTES:

6 REMOVE EXISTING INDIRECT COOLING COIL.

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MD401-ADDENDUM #1 10-5-05

SCALE: 1/8"=1'-0"

PROVO REGIONAL CENTER CHILLER REPLACEMENT AND CONTROLS UPGRADE

SHEET NOTES:

7 PROVIDE A NEW VAV BOX FOR THIS AREA. PROVIDE NEW LOW PRESSURE DUCT, DIFFUSERS, RETURN GRILLES AS SHOWN. TIE INTO EXISTING HOT WATER PIPING AND EXISTING MEDIUM PRESSURE DUCT.

8 REMOVE EXISTING LOW PRESSURE DUCT, DIFFUSERS, AND RETURN GRILLES. CAP EXISTING LOW PRESSURE SUPPLY.

DIFFUSER SCHEDULE				
TAG	MAX CFM	FACE SIZE	NECK SIZE	MAKE AND MODEL
D-1 / CFM	300	48"x6"	10"Ø	PRICE SDBI 100 3 SLOTS OR EQUAL (1)(3)
R-1	1000	24x24	(2)	PRICE PDDR OR EQUAL

(1) PROVIDE LAY-IN BORDER MODULE.

(2) PROVIDE LINED SOUND BOOT.

(3) PROVIDE BAKED ENAMEL FINISH.

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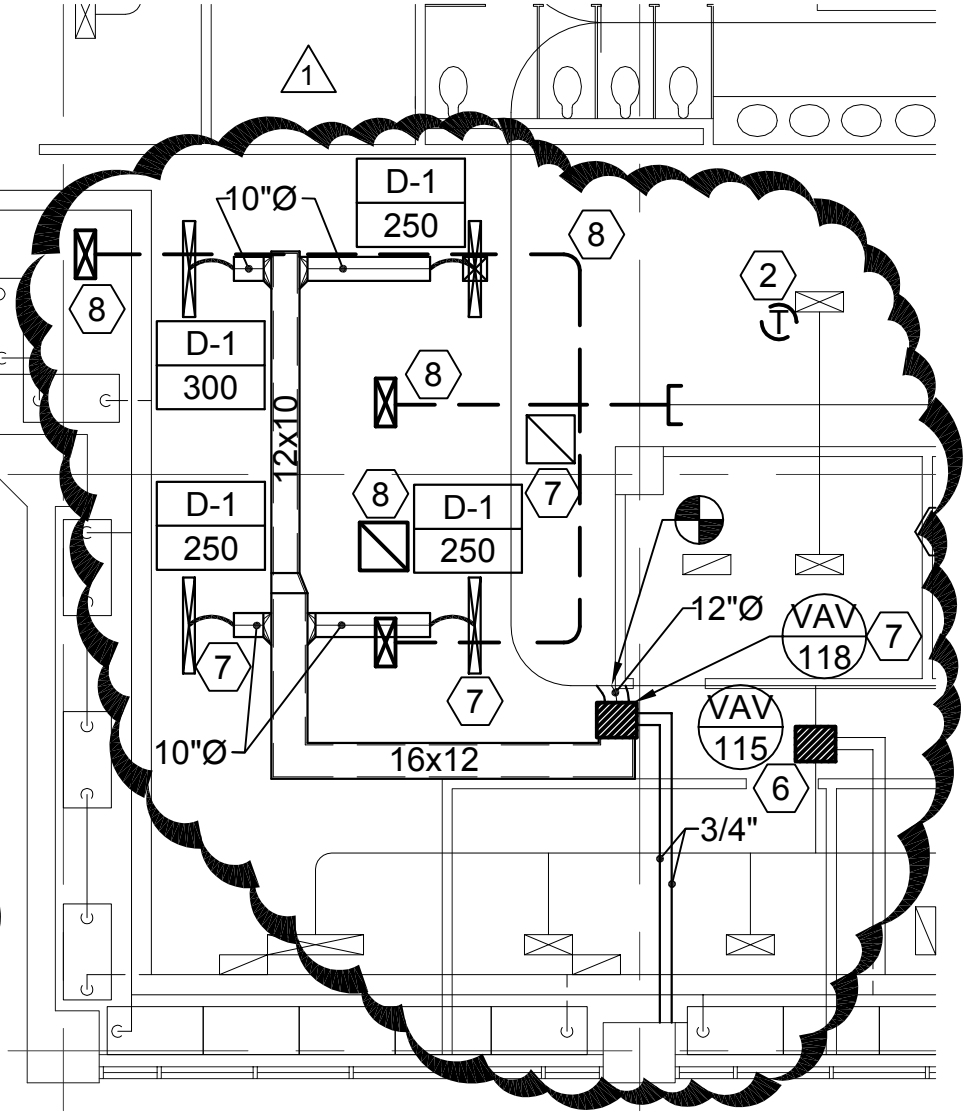

PROVO REGIONAL CENTER CHILLER REPLACEMENT AND CONTROLS UPGRADE

ME102-ADDENDUM #1 10-5-05

SCALE: 1/8"=1'-0"

VAV BOX SCHEDULE

SYMBOL	INLET DIA. (INCHES)	INLET VELOCITY (FPM)	COOLING			HEATING (20° DELTA T WATER)								DISCHARGE NC @ 1.5" WG ΔPs	MANUF. MODEL #	SCHEDULE NOTES
			MAX CFM	MIN CFM	MX APD (IN)	COIL EAT	COIL LAT	MAX CFM	COIL MBH	FLOW GPM	EWT	(FT) PD	ROWS			
VAV 101	8"Ø	1200	465	155	.22	65	105	460	17.1	1.7	180	.5	2	20	PRICE SDV-8	1
VAV 102	16"Ø	1700	2335	778	.40	65	105	1900	70.7	7.7	180	11	2	23	PRICE SDV-16	1
VAV 104	14"Ø	1500	1570	523	.28	65	105	1550	57.7	5.8	180	4.85	2	25	PRICE SDV-14	1
VAV 105	8"Ø	1800	570	190	.32	65	105	460	17.1	1.7	180	.5	2	23	PRICE SDV-8	1
VAV 107	14"Ø	1600	1665	555	.31	65	105	1550	57.7	5.8	180	4.85	2	26	PRICE SDV-14	1
VAV 109	14"Ø	1900	1880	627	.37	65	105	1550	57.7	5.8	180	4.85	2	26	PRICE SDV-14	1
VAV 110	8"Ø	1300	410	137	.18	65	105	380	14.1	1.4	180	.4	2	20	PRICE SDV-8	1
VAV 111	8"Ø	1800	600	200	.33	65	105	460	17.1	1.7	180	.5	2	23	PRICE SDV-8	1
VAV 113	14"Ø	1850	1860	620	.37	65	105	1550	57.7	5.8	180	4.85	2	27	PRICE SDV-14	1
VAV 115	14"Ø	[illegible]	1880	627	.37	65	[illegible]	1550	57.7	5.8	180	4.85	2	27	PRICE SDV-14	1
VAV 118	12"Ø	1400	1050	350	0.03	65	105	900	36.0	3.6	180	4.3	2	25	PRICE SDV-12	1

(1) SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURES

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ME601-ADDENDUM #1 10-5-05

SCALE: NONE

PROVO REGIONAL CENTER CHILLER REPLACEMENT AND CONTROLS UPGRADE